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National  
Agricultural  
Library

U.S. Department  
of Agriculture  
Beltsville, MD  
20705

# AGRICULTURAL LIBRARIES INFORMATION NOTES

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## ARS AND NAL HOLD LIBRARY WORKSHOP

by Maria Pisa  
Assistant to the Chief  
Public Services Division, NAL

For the past year, the National Agricultural Library and the Agricultural Research Service have been conducting an interagency review of the roles NAL could play in helping ARS field libraries to meet the present and future information needs of its researchers more effectively and at a reasonable cost. The culmination of this effort took the form of a 2-day workshop in which staff from five major ARS Research Centers participating in the study (Center directors, librarians, and library committee chairpersons) and NAL staff had the opportunity to discuss recommendations resulting from the year-long review and a report summarizing the project. [*ARS/NAL Review of Library Operations: A Summary of Findings and Recommendations*. By the Project Review Team, National Agricultural Library. February 1988, 21 p.] In conjunction with the February 25-26 discussions, ARS staff received demonstrations of NAL new technologies and field librarians met with various NAL staff to discuss operational issues.

The ARS field libraries play a central role in the provision of information services to ARS scientists at research stations throughout the country. There are 10 officially designated ARS field libraries. Of these, the five Center libraries which were the focus of the study are: Eastern Regional Research Center, Philadelphia, PA--Wendy Kramer, Librarian; Northern Regional Research Center, Peoria, IL--Don Blevins, Librarian; Russell Research Center, Athens, GA--Librarian position vacant, Barbara Gazda, Library Tech-



photo: J. Swab

[L-R] Dr. Murrmann, Dr. Bernardin, Mr. Young (behind), Ms. Schonbrun, Dr. Rawlins (behind), Ms. Kramer, Dr. Haas, and Dr. Zimmer.

nician; Southern Regional Research Center, New Orleans, LA--Dorothy B. Skau, Librarian; and the Western Regional Research Center, Albany, CA--Rena Schonbrun, Librarian.

The project included the following milestones: data gathering and discussions with ARS management and library staff in the early stages of the project; site visits at each of the five regional research center libraries by NAL staff, including discussions with library, research, and administrative staff; the preparation of a report summarizing options and recommendations; and the presentation of a draft report for discussion.

In all, 40 recommendations were identified which addressed three areas: major initiatives which must be considered in order to begin to formulate an ARS library of the future; action items for NAL that can provide increased information support to ARS libraries and library users; and action items for ARS that can streamline present operations and provide expanded support to users.

While project participants supported the report recommendations in principle, in depth discussion on many of the issues could not take place during the allotted time period. As a result, meeting attendees are continuing discussions in monthly conference calls which began in March.

The ARS/NAL Review of Library Operations project is one aspect of the ongoing dialogue between NAL and ARS. NAL management meet regularly with Dr. William H. Tallent, Assistant Administrator for Cooperative Interactions, ARS, to exchange ideas, keep abreast of new initiatives, and iden-



photo: J. Swab

[L-R] Dr. Frank, Dr. Nelson, Dr. Crawford, Mr. Blevins, Dr. Cherry, Dr. Barkate, Ms. Skau, and Ms. Gazda.



tify those areas in which NAL can strengthen its services to researchers and librarians especially with regard to the role technology can play in expediting and enhancing access to information.



[L-R] Mr. Howard, Dr. Tallent, and Mr. Neis.

photo: J. Swab

## PROJECT PARTICIPANTS

### ARS/NAL LIBRARY DISCUSSIONS, BELTSVILLE, MARYLAND, February 25-26, 1988

#### ARS: Washington:

Bill Tallent, Assistant Administrator; Stephen Rawlins, Research Leader, Systems Research Laboratory.

#### Eastern (Philadelphia):

John Cherry, Director; Michael Haas, Chair, Library Committee; Wendy Kramer, Librarian.

#### Northern (Peoria):

Lambertus Princen, Director; Claude Crawford, Chair, Library Committee; Don Blevins, Librarian.

#### Russell RC (Athens):

David Zimmer, Director; Stuart Nelson, Chair, Library Committee; Barbara Gazda, Library Technician (Librarian position is open).

#### Southern (New Orleans):

John Barkate, Acting Director; Arlen Frank, Chair, Library Committee; Becky Skau, Librarian.



photo: J. Swab

[L-R] Ms. Gazda, Ms. Pisa, Mr. Waters, Mr. Russell, Ms. Andre, Dr. Thomas.

### Western (Albany, CA):

Martin Rogoff, Director; John Bernardin, Chair, Library Committee; Rena Schonbrun, Librarian.

### Representing medium sized and remote laboratory users:

Richard Murrmann, Director, Appalachian Soil & Water Conservation Research Lab, Beckley, West Virginia.

### NAL:

Joe Howard, Director; Sam Waters, Associate Director; Tom Neis, Executive Officer.

### NAL Team Which Visited ARS Libraries:

Pam Andre, Chief, Information Systems Division; Keith Russell, Chief, Public Services Division; Sarah Thomas, Chief, Technical Services Division; Maria Pisa, Assistant to the Chief, Public Services Division.

[Ronald Young, NAL Special Collections, provided A/V Support at NAL.]



## AGRIS/CARIS

by Sarah E. Thomas  
Chief, Technical Services Division

The National Agricultural Library recently received a videotape documenting the activities of the Food and Agriculture Organization's AGRIS and CARIS databases. Entitled *AGRIS/CARIS, Sharing of the World's Agricultural Information*, the videotape describes the scope and purpose of two of FAO's information services.

AGRIS and CARIS are two cooperative international systems established on the concept of having each country participating in providing the information produced within its territory, and receiving in turn the information provided by others. In most cases, designated national centers provide information to FAO. Currently there are 120 national and 14 regional centers contributing data to be included in the AGRIS database of agricultural literature citations. Each center collects, selects, catalogues, and indexes relevant agricultural documents which have appeared in its country, and this information is input into the AGRIS system.

The National Agricultural Library is the designated United States input center for AGRIS, and it provides over 50,000 citations to U.S. publications to AGRIS annually. Agricultural bibliographic citations appear in the AGRIS

database, available online in the U.S. on DIALOG without the U.S. contributions, and in printed form as *AGRINDEX*. The AGRIS database contains over 1 million records, and is accessible through the multilingual thesaurus AGROVOC in English, French, and Spanish.

NAL and the AGRIS Coordinating Centre have been working together to ensure that the AGROVOC thesaurus and the CAB thesaurus, used by NAL in its AGRICOLA database, are increasingly compatible. Another area in which NAL has been cooperating with AGRIS is in the elimination of overlap between the two



databases. Whenever foreign literature is covered in the AGRIS database by a participating AGRIS national center, NAL does not duplicate this indexing in AGRICOLA. Thus, for most publications issued since 1986, there is no overlap between AGRIS and AGRICOLA for U.S. searchers of these databases.

A brief portion of the videotape is devoted to an explanation of CARIS, a database on current research projects which contains information on the title of the project, the research leader associated with the project, the institution where the research is being conducted, and the date and duration of the project. This database is roughly analogous to the USDA's CRIS database, but international in scope. At this time 80 countries, primarily developing nations, participate in the CARIS network, and mechanisms exist for the exchange of information with similar systems in developed countries.

The AGRIS/CARIS videotape, produced by the Food and Agriculture Organization of the United Nations and with a text prepared by Emile K. Samaha, is available on loan in the United States through normal lending channels of the National Agricultural Library.



[Below] Personnel of Government Motion Picture Co., White Mountains Pictures, taking lunch on Mount Washington, White Mountain National Forest, New Hampshire. Photo by C. A. Lindstrom, 1920. No. 151897 in the Forest Service Photographs Collection at NAL [and the National Archives]. How NAL staff would like to have a videotaped oral history of this crew's work!

## NAL BEGINS VIDEOTAPE ORAL HISTORY SERIES

by Alan E. Fusonie  
Head, Special Collections

NAL is conducting a new series of videotaped oral history interviews with outstanding scientists whose research has made a significant contribution to American agriculture. Scientists from various USDA organizations, such as the Agricultural Research Service, will participate. Specialists from outside NAL or Dr. Alan Fusonie, Historian and Head of Special Collections at NAL, will conduct the interviews. NAL staff will videotape the interviews either in the Special Collections Reading Room, located on the 14th floor of NAL, or in remote locations, as necessary.

NAL would like to do more to strengthen its collections in the field of oral history, and to do so seeks the help of professional organizations which are important sources for expertise and advice. For instance, professional organizations are uniquely equipped and will be relied upon to:

- Identify the outstanding leaders in their field whose knowledge and experience should be recorded for future study.
- Suggest an outline of subjects that should be discussed in the videotape interview.
- Identify the person who should be responsible for conducting the videotape interview.
- Contact NAL in writing about potential candidates for videotape interviews. (See VIDEO, page 4, col. 1.)





NAL would then:

- Schedule the videotape oral history interview.
- Provide the space, equipment, and personnel necessary for taping the interview.
- Conduct the interview, if appropriate.
- Catalog the videotape oral histories.
- Input the citations into the AGRICOLA and OCLC databases, providing national and worldwide access to these videotapes.
- Preserve and service these videotapes through the Special Collections Program.
- Provide the videotapes for future use by national and international audiences. As a matter of standing practice, all oral history videotapes will become part of the public domain.

NAL encourages cooperating or sponsoring organizations to provide financial support for the program. NAL will use such support to defray the costs of the blank videotapes used in the interview process and additional tape duplication, to acquire equipment, and to cover other expenses.

NAL seeks to enhance the oral history program by acquiring additional equipment to provide editing, video titling, and remote taping capability.

NAL staff desires to discuss with representatives of organizations the ways they can participate in this program. Such organizations can help to preserve and make available information by and about persons who have much to offer to the nation.

NAL has already acquired over 800 agriculturally related audio tape interviews conducted primarily by the following institutions: the University of California, Davis; John F. Kennedy Library; the Oral History Research Office of Columbia University; Alice Lloyd College; Appalachian State University Archives; Texas A&M; USDA Soil Conservation Service; and the American Poultry Historical Society. The citations to these interviews may be accessed through AGRICOLA, the Library's computerized database, which indexes more than 2.6 million books and articles relating to all aspects of agriculture. NAL will continue to seek out, acquire, and catalog this type of interview, preferably in video tape.

The Special Collections program of the National Agricultural Library welcomes the opportunity to receive, preserve, and make available archival/manuscript materials of historic value including diaries, account books, letters, notebooks, memoirs, reminiscences, and oral histories pertaining to agriculture and its many related fields. While NAL is expanding its program to include oral histories in video tape, audio tapes will remain an acceptable and valuable medium.

Persons interested in pursuing these opportunities, please contact:

*Dr. Alan Fusonie*  
*Head, Special Collections*  
*National Agricultural Library, Room 1402*  
*10301 Baltimore Boulevard*  
*Beltsville, Maryland 20705.*

Or call: (301) 344-3876.



# NAL MICROCOMPUTER TRAINING

by Grace R. Sines  
Microcomputer Coordinator

In mid-February, the National Agricultural Library's Information Systems Division (ISD) conducted the first of a series of introductory classes for microcomputer users. The class is a result of a microcomputer training proposal prepared by ISD. The development of the training proposal was prompted by the tremendous growth in the number of microcomputer workstations at NAL and the potentially large number of people who will require training. It was an attempt to establish a systematic approach to microcomputer training to ensure that all NAL staff using microcomputers receive the appropriate training to utilize these powerful work tools fully and to best advantage. The proposal met with favorable response from NAL management, and staff began work to evaluate alternative training approaches.

Research into available training revealed that "Introduction to DOS" classes average \$120 per participant. These classes last approximately 5 hours and cover the essentials of using a microcomputer and basic DOS commands. A survey of NAL indicated that over 100 employees require introductory microcomputer training. NAL recognizes that in addition to monetary savings, inhouse training offers employees an opportunity to participate in a class that is customized to NAL standards and applications. The participants receive instructions and information that is specific to their workstations as well as general applications.

The course outline and handout material prepared by ISD presents a logical introduction to microcomputer concepts and information, as well as the "why" and "how-to" of using basic DOS commands. The student is first introduced to micros by a course prerequisite--the completion of "Exploring Your IBM," a tutorial diskette packaged with the IBM PC, XT, and AT. This diskette gives participants an overview of using the microcomputer and an opportunity to become familiar with the keyboard. The first part of the class provides an explanation of the five major parts of NAL microcomputer workstations, handling floppy diskettes, complete file specifications, NAL specifications for hard drive organization, default drives, source and target disks, and the importance of backup copies. The next part of the class covers basic DOS commands as well as some more advanced commands necessary for utilizing the hard drive. The DOS commands are presented with examples for practice. Concluding the course is a hands-on exercise and a self-test with instructor interaction as necessary. All students receive a course handout which can serve as a reference tool at their own workstations.

Course evaluation forms that have been completed by participants indicate the success and importance of this course for NAL micro users. Strong support has been given for the continuance of this particular class as well as the development of others.

ISD personnel are in the process of evaluating and selecting appropriate training tools to support the continuing microcomputer training requirements of NAL.



## VISITORS

Library and had lunch on the Library's 14th floor balcony overlooking the BARC West farm complex and the Center headquarters buildings. The group showed special interest in the exhibits in NAL's Special Collections Reading Room, which were presented by Dr. Alan E. Fusonie. In the photograph the group clusters around the case displaying manuscripts and artifacts of Charles Valentine Riley, a pioneer entomologist in the early years of USDA (who was born in Chelsea, England, in 1843), and looks at a portrait of Riley hung on the wall behind the photographer.



photo: J. Swab

[L-R] Dr. Fusonie; Dr. Bentley; Mr. Rolland "Bud" Anderson, Agriculture Counselor, U.S. Embassy, London; Shirley Stagg, private secretary to Mr. MacGregor; Mr. MacGregor; Dr. Klassen; and Mr. Derek Andrews, Permanent Secretary of the Ministry of Agriculture.

## BRITISH MINISTER OF AGRICULTURE VISITS

John MacGregor, Britain's Minister of Agriculture, visited the United States from March 10-16, on his first official visit. Deputy Agriculture Secretary Peter Myers, who accompanied Mr. MacGregor on part of his travels, said the minister wanted to learn more about U.S. farm programs and farmers' feelings about them because the European Community has approved a program to curb production.

After traveling to farms and universities in the Midwest, Mr. MacGregor visited the Beltsville Agricultural Research Center (BARC), where Dr. Orville G. Bentley, Assistant Secretary of Agriculture, Science and Education, Mary E. Carter, Associate Administrator of the Agricultural Research Service, and Dr. Waldemar Klassen, Director, Beltsville Area, ARS, were his hosts. Dr. Klassen said that Mr. MacGregor was particularly interested in ARS research in both animal and plant biotechnology, ground water, and the quality of agricultural products.

Following the tour of BARC, Mr. MacGregor and his party visited the National Agricultural

information.

Among recent visitors taking advantage of the opportunity to see the demonstrations were Robert W. Long, Deputy Assistant Secretary of Agriculture, Science and Education; Peter Ballantyne of the International Service for National Agricultural Research, The Hague, Netherlands; and Dr. Al (See VISITORS, page 6, col. 1)



photo: D. Starr

Robert W. Long, Deputy Assistant Secretary of Agriculture, Science and Education, and Joseph H. Howard, Director of the National Agricultural Library.





photo: D. Starr

NAL Director, Joseph Howard, Peter Ballantyne of the International Service for National Agricultural Research, The Hague, Netherlands, and Samuel Waters, Associate Director, NAL.

#### (VISITORS, from page 5)

Young, Director, and Dr. Dan Jones, Office of Agricultural Biotechnology, USDA.

Dr. Young and Dr. Jones also met with NAL's Biotechnology Information Center Coordinator Jean Larson and Head of the Information Centers Branch Robyn Frank for a briefing on NAL's biotechnology activities, and discussion of future cooperation between NAL and the Office of Agricultural Biotechnology. They also met with Dr. Sarah Thomas, Chief of the Technical Services Division, with regard to a project on Agent Orange, and looked at NAL's significant Agent Orange Collection.



and Planning Committee in seeking more effective ways to affirm and strengthen the Library's mission as a national library and a center of research and scholarship. Initial meetings are devoted to development of ideas on how the Library of Congress might better serve the needs of present and potential users.

Other members of the National Advisory Committee are: **Joseph Anderson**, Manager, Production Services Division, WGBH-Boston; **John Brademas**, President, New York University; **Gwendolyn Brooks**, former Library of Congress Consultant in Poetry; **Margaret Chisholm**, Director, Library School, University of Washington; President, American Library Association; **Edwin S. Clay, III**, Director, Fairfax County Library System; **Constance Clayton**, Superintendent, Philadelphia School System; **Richard DeGennaro**, Director, New York Public Library; **Nancy Evans**, President, Doubleday & Co.; **Roger Heyns**, President, William and Flora Hewlett Foundation; **Akira Iriye**, Professor of history, University of Chicago; President, American Historical Association; **Elizabeth Kennan**, President, Mount Holyoke College; **Donald Lindberg**, Director, National Library of Medicine; **Jay Lucker**, Director of Libraries, Massachusetts Institute of Technology; **Anne Mathews**, Director, Library Programs, Office of Educational Research and Improvement, U.S. Department of Education; **Charles McC. Mathias**, former U.S. Senator from Maryland and a member of the law firm of Jones, Day, Reavis & Pogue; **Donald McLagen**, Vice President and General Manager, Lotus Development Corporation; **Emily Mobley**, University Librarian, Purdue University;



photo: J. Swab

Judith Zidar of the Information Systems Division (foreground) demonstrates NAL's text-digitizing system to Dr. Al Young, Director, and Dr. Dan Jones, Office of Agricultural Biotechnology (2nd & 3rd from left), while Sarah Thomas (left), and Joseph Howard and Gary McCone, Head, Database Administration Branch, watch. The text-digitizing equipment consists of a scanner, which looks similar to a xeroxing scanner, a computer with keyboard and monitor, the digitizing machine, and a machine for making hard copy. Persons viewing the demonstration see very new results from seemingly familiar equipment and processes.



Edmund Morris, presidential biographer, Washington, DC; Sandra Day O'Connor, Associate Justice, U.S. Supreme Court; Patrick O'Brien, Director of Libraries, Dallas Public Library; Elaine Sloan, Dean, Indiana University Libraries; Ed Spencer, Chief Executive Officer, Honeywell, Inc.; Gary Strong, State Librarian, California State Libraries; Nicholas Veliotis, President, Association of American Publishers, Inc.; Robert Wedgeworth, Jr., Dean of the School of Library Service, Columbia University; Ann Weeks, Executive Director, American Association of School Librarians; Michael Winston, Vice President for Academic Affairs, Howard University.



## NAL PRESENTATIONS AT SCIL'88

Three of NAL's staff made presentations at SCIL'88, (Small Computers in Libraries) The Third Annual Software/Computer/Database/CD-ROM Conference and Exhibition for Librarians and Information Managers sponsored by *Small Computers in Libraries Magazine* at the Hyatt Regency Chicago, March 7-9, 1988. The three were Samuel T. Waters, Associate Director of NAL, who spoke at two sessions, Sandra Gawlas, Information Systems Research Analyst, Information Systems Division (ISD), NAL, and Daniel O. Starr, Technical Information Specialist, ISD, NAL.

Ms. Gawlas spoke on the topic "Microcomputer Equipment: Organization and Maintenance Techniques." As background to her topic, Ms. Gawlas said:

"The National Agricultural Library is typical of many organizations in that there has been a dramatic increase in microcomputer work stations. In 1985, the library first hired a microcomputer coordinator to manage fewer than ten personal computers. Today, a microcomputer staff oversees the use of more than 100 microcomputers including peripherals and software."

"With such an increase, it becomes increasingly important to devise techniques of organizing and keeping track of all equipment. Such techniques can provide easy access to information required in the ordering and servicing of hardware and software."

Ms. Gawlas discussed specific techniques to assist the microcomputer manager. She described the hardware and software inventories databases created at NAL using DBASE III. These inventories databases contain complete information on every microcomputer workstation in the Library, including system unit specifics (RAM, memory), types of boards installed, peripherals attached, software used at each station, and equipment repair histories. She discussed problems and solutions in controlling the accuracy and integrity of such databases, and the use of error logs and troubleshooting checklists to assist in identifying equipment failures.

Ms. Gawlas also presented various report formats generated from the inventories and forms used

for troubleshooting. She provided examples of queries put to the databases to show their usefulness in various applications.

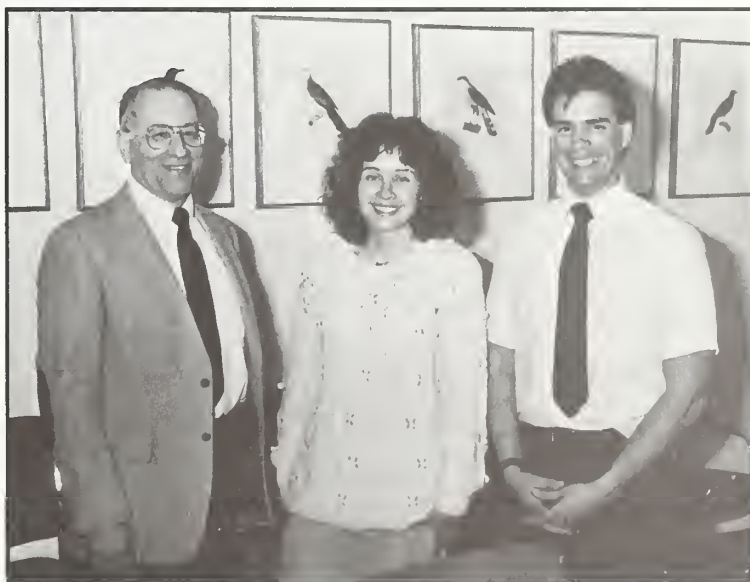
Mr. Starr entitled his presentation "Are Floppies Folly? or SDI Results the Hard Way." In summarizing the talk Mr. Starr indicated:

"The National Agricultural Library's Current Awareness Literature Service (CALS) provides SDI service to over 1200 USDA researchers worldwide. The increasing number of microcomputers in the CALS user community prompted the CALS staff to consider floppy disk delivery of these SDI results. If certain technical difficulties could be overcome, then floppy disks could replace the current piles of paper leaving the CALS offices regularly.

"Some of the problems associated with this pilot project included copyright, mainframe-to-microcomputer linking, and searching out appropriate microcomputer software. The copyright problem is a significant one for anyone interested in this type of activity. Fortunately, the National Agricultural Library produces its own database (AGRICOLA) and permission was easily obtained. A larger problem was the mainframe-to-micro link. While many micro-based software packages exist to allow connectivity between computers, the programming for CALS is designed for output to a printer directly from tape. Modifying this processing has turned out to be a major headache."

Mr. Starr discussed investigations into the use of Pro-Cite from Personal Bibliographic Software, Inc., which, because of previous NAL experience with it and "exhaustive support from the vendor," filled NAL's need for a database management software. He also discussed Biblio-Link, a companion program to Pro-Cite, which enables a much simpler transfer from unformatted ASCII text to discrete records for Pro-Cite's manipulation. He indicated results of examination of other alternatives including online and CD-ROM, but concluded that "the combination of cost-effectiveness and timeliness makes them less attractive. Both online and CD-ROM would require much more staff time than would be practical and CD-ROM has the added disadvantage of [the

(See SCIL88, page 8, col. 1)



Sam Waters, Sandra Gawlas, and Daniel Starr.

photo: J. Swab

(SCIL88, from page 7)  
difficulty of providing] quarterly updates."

Mr. Waters' two presentations were "Getting Started in Expert Systems" and "A Case Study of Expert Systems at NAL." He directed the former to those introducing expert systems into their organizations, and illustrated the talk with examples from actual experiences at the National Agricultural Library and elsewhere. He discussed the principal NAL examples in depth in the "case study."



## HOWARD APPOINTED TO BOARD OF USDA GRADUATE SCHOOL

Secretary of Agriculture Richard E. Lyng has appointed NAL Director Joseph H. Howard to a four-year term on the General Administration Board of the Graduate School, U.S. Department of Agriculture. The Board is the governing body of the Graduate School and has contributed to better government for more than 65 years. In his letter appointing Mr. Howard, Secretary Lyng said, "These are challenging times for the Department and the Graduate School, and we need your experience and sound judgement."

The USDA Graduate School was established by the Department in 1921 to provide continuing education to USDA employees. Over the years it has expanded to provide courses for all Federal employees, not only in the D.C. area, but throughout the world wherever government employees are located, for example, Okinawa. The school is a non-appropriated fund instrumentality which recovers all operating costs from tuition and fees. The school does not grant degrees, but some degree-granting institutions do grant credit to students or waive requirements in degree programs for work done in the USDA Graduate School. The Board of the school is chaired by an employee of USDA, and a percentage of its members are from USDA. It oversees the operation of the school.



## NAL PRESERVATION PLANNING PROGRAM

The Library's collection represents an important national investment, increasing in real value by millions of dollars each year. Its contribution to the American standard of living through the promotion of research and education is inestimable. This national resource, under development for more than 125 years, is irreplaceable. Unfortunately, on a daily basis more and more items in this important collection are deteriorating beyond even the possibilities of use. Some of these represent not only a loss to the NAL collection but to the world since many of these titles are not known to exist elsewhere or may be difficult to locate. NAL must undertake more effective measures to protect and manage this national reserve so that it will endure as needed for future use

and so that our national research effort can avoid the expensive wastes associated with repeating research because of unavailability or loss of documentation on previous research.

Recognizing this need, NAL has decided that a complete review of its preservation practices and needs must be conducted and recommendations made concerning the most practical means for implementing an effective program. As a start, NAL will participate in the Preservation Planning Program sponsored by the Association of Research Libraries (ARL), a self study-consulting program administered by ARL's Office of Management Study (OMS). This effort will require a significant investment of staff time during the year in preservation reviews carried out by a study team and several task forces. Because of the gravity of the problem, NAL is depending upon the staff's wholehearted support for this one-time effort.

The study team is charged with the responsibility of developing a plan for preservation activities with practical objectives for the next 5 years. Everything relating to preservation is within the scope of the Team's purview including environmental control, disaster planning, binding, laser disk, library organization, conservation, and any other matter. The plan will necessarily consider staffing, budget, space, equipment, procedures, administrative structure, etc. Realistic, but not pessimistic, estimates should be made regarding every aspect of this plan.

The ARL manual for the planning program stipulates that a Study Team is to be appointed with support of task forces. The Study Team is responsible for the overall conduct of the effort. Task forces will be appointed as necessary, the chairs being members of the Study Team, to identify and investigate each major issue and make suggestions. Lastly, the Study Team will review the reports of the Task Forces in the context of the overall library program and prepare a final report with specific practical recommendations for action.

An ARL-OMS consultant will visit the Library at the outset of each of the critical stages to ensure that each effort is carried out as effectively as possible. OMS will also be available for other consulting needs.

NAL has established six Task Forces in the following areas: Environmental and Physical Conditions of the Collection; Organization of Preservation Activities; Disaster Control; Preservation Resources; Staff and User Education; Interinstitutional Cooperation.

Dr. Leslie Kulp will serve as Chair of the Study Team and will coordinate the overall project. For more information contact him at:

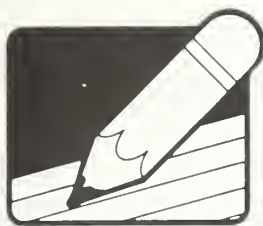
National Agricultural Library, Room 204  
10301 Baltimore Boulevard  
Beltsville, Maryland 20705

Or call (301) 344-1562.



MAY IS "TAKE PRIDE IN AMERICA" MONTH!





## NEWS FROM THE FIELD

### PENN STATE AG LIBRARY CELEBRATES 100TH ANNIVERSARY

A reception, exhibit, and colloquy highlighted the 100th anniversary of Penn State's Agricultural Library on March 29 in Pattee Library. The Agricultural Library, renamed Life Sciences in 1974, was established to organize and make available publications of agricultural experiment stations that were initiated by the Hatch Act of 1887. From a one room office in Old Main, the library moved to different locations on campus and in 1961 relocated to the central library where it now occupies the second and third floors of East Pattee.

The Life Science Library of approximately a quarter million volumes and 3,000 current journals is one of the largest collections of agricultural, biological and health sciences materials in the nation. In his address delivered to a capacity audience following preliminary remarks by Stuart Forth, Dean of University Libraries, Dr. Keith Roe, head of the Life Sciences Library, gave a brief history of the unit, interspersing his remarks with humorous anecdotes culled from the

long and colorful history of the library. He paid tribute to his six predecessors, citing in particular Ms. Julia Gray, librarian from 1888 until 1918, and Ms. Anna Malone, who directed the library from 1938 until 1966. A keepsake for the occasion, that contains the text of a paper on the early history of the library written by Ms. Gray and a chronology of events compiled by Dr. Roe, has been issued by the University Libraries.



## Food & Nutrition

### FNIC SPONSORS CHILD NUTRITION SEMINAR

On April 4th, the Food and Nutrition Information Center was the sponsor of a seminar on "Childhood Antecedents to Adult Diseases", presented by Myron Winick, M.D., of Columbia University's College of Physicians and Surgeons. Dr. Winick is a well-known and very well-respected expert in the field of human nutrition. During the past year he has been a guest professor at the University of Maryland, Department of Human Nutrition and Food Systems and has been involved in a variety of projects with the National Institutes of Health, in addition to continuing his research at Columbia. He is the author of hundreds of research and popular publications including a regular column in the *Washington Post* Health section.

Dr. Winick offered a review of the scientific investigations that have examined the possible links between early eating habits and adult health problems such as obesity, heart disease, hypertension and cancer. He offered the audience of government and private sector nutrition professionals, university faculty and students, and NAL employees some insights into this controversial area as well as a basis upon which to make dietary recommendations. The seminar was very well-received. The attendees enjoyed not only the main presentation, but the equally informative question-and-answer period.

The seminar was videotaped, and will be part of the NAL collection. Dr. Winick has also prepared two *Special Reference Briefs*, "Childhood Obesity" and "Childhood Antecedents to Adult" (See NUTRITION, page 10, col. 1)



photo: Dave Shelly, Penn St. U.

Dr. Keith Roe addressing guests at the colloquy during the 100th Anniversary of Penn State's Agricultural Library.



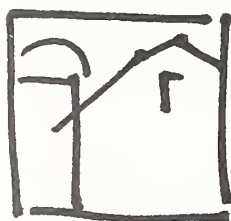
photo: J. Swab

Dr. Myron Winick speaking on "Childhood Antecedents to Adult Diseases" at NAL on April 4, 1988.

#### (NUTRITION, from page 9)

Cornary Artery Diseases," in cooperation with FNIC to furnish brief written overviews and additional references on these topics.

--Holly Irving



**Alternative  
Farming  
Systems**

## LOW-INPUT FARMING SYSTEMS PROGRAM

As part of the Federal Budget passed by Congress in December 1987, an allocation of funds was made to the Department of Agriculture for research, education, and information on low-input or sustainable farming systems. A small portion of this funding was designated for the Alternative Farming Systems Information Center (AFSIC) at NAL. The Cooperative State Research Service (CSRS) is acting as the coordinating agency for the program.

Congress expressed interest in having the Low-Input Farming Systems Research & Education Program serve as

a model of cooperative efforts between Government agencies, private institutions, and farmers. Program officials are directed to produce information products in easily usable formats designed to aid extension workers and farmers in maintaining profitability and productivity while reducing external inputs of energy, fertilizers, and pesticides. Some of the strategies being investigated are alternative pest control methods, use of animal manures and cover crops, and other options for protecting soil and water. For its part in the program, AFSIC is focusing on selections to enhance the AGRICOLA database, information products on appropriate topics, and arranging cooperation with outside organizations who have related interests.

--Jayne MacLean



photo: D. Starr

Some of the participants in the Low-Input Farming Systems Program meeting on April 8, at which NAL explored its role in the program's information component. [L-R front row] Joe Howard, Robyn Frank, Jayne MacLean, Mr. Steve Mitchell, Librarian, University of California, Riverside, Dr. Jill Auburn, Information Analyst, University of California Sustainable Agriculture Program, Ms. Jane Gates, Librarian, Strybing Arboretum Society, San Francisco, and temporarily with NAL's Alternative Farming Systems Information Center, and Sarah Thomas. [Back row] Mr. George DeVault, Editor, The New Farm magazine, and [partly hidden NAL staff] Karl Schneider, Tom Neis, Sam Waters, Pam Andre, and Gary McCone. Participants in the D.C. portion of the meeting not shown in this photo at NAL were Dr. Patrick Madden, coordinator of the program for CSRS, Dr. Wesley Jarrell, Director of the Dry Lands Research Center, Riverside, CA, and, from the Extension Service, Dr. Vivian Jennings, Dr. Dixon Hubbard and Dr. Basil Eastwood.



## NAL AT SLA

Several persons from NAL will be participating in the Special Libraries Association Annual Conference in Denver, CO, June 12-16, 1988. NAL will be exhibiting and taking part in activities of the Food, Agriculture, and Nutrition Division (FAN). Robyn Frank of NAL is the Chair of FAN this year and will preside at its meetings. The NAL meeting to give an "Update" on NAL programs and projects, with Sarah Thomas presiding, will be at the Convention Center, Monday, June 13, 4:00-5:30. Holly Irving will speak on "Expert Systems." The Associates of NAL, Inc., will cosponsor the FAN Hospitality Suite at the Marriot.



## NAL LAUNCHES VOLUNTEER PROGRAM

The National Agricultural Library is seeking volunteers to give time, skill, and experience in many special project areas to support the primary mission of the Library: to collect and disseminate agricultural information. Most Branches and Information Centers of the Library, plus the Associates of NAL, Inc., have identified projects which volunteers could work on and provide much needed help. These special projects include developing information products, sales desk assistance, developing ready reference advisory systems, production of photo laser disks, and many more. Volunteers will have access to the collections of the world's foremost agricultural library and be exposed and have access to the latest library electronic technologies to complete project assignments. Library staff will be available for initial training and technical advice. Possible credits for library students may be offered in some specialized areas by their universities.

Persons with an interest in volunteering should write to:

*Mary Silva*  
National Agricultural Library, Room 200  
Beltsville, MD 20705

Or call: (301) 344-4248.

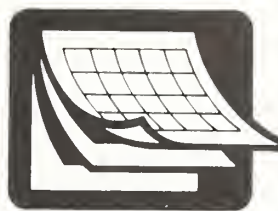


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## NAL RETIREES LUNCHEON

The National Agricultural Library and the Associates of NAL, Inc., plan to host a luncheon on May 11 for retired NAL employees. In his letter to retired NAL staff, Director Joseph H. Howard said, "I hope this will become an annual event. It will be an occasion to renew acquaintances and share experiences, as well as provide me an opportunity to bring you up-to-date on projects that are currently underway at NAL and tell you about some exciting plans we have for the future." The luncheon will begin at 12 noon in Room 1400 of the NAL Building. For more information about the luncheon call Mary Silva on (301) 344-4248.

One of the programs to be discussed at the luncheon is the volunteer program. In reference to this program Mr. Howard said, "I have always felt that an active volunteer program at NAL would be of great value, and I am happy to report that such a program is now being established." Staff have identified potential volunteer projects on activities in most of the Branches and Information Centers of the Library and in the Associates of NAL, Inc. Luncheon participants will have the opportunity to discuss these projects with NAL managers and ask questions or make comments. Mr. Howard also indicated he welcomes calls about the volunteer program: (301) 344-4248.



## AGRICULTURE DATEBOOK

**May 9-11: Beltsville Symposium XIII: Biotic Diversity and Germplasm Preservation - Global Imperatives.** Beltsville, MD. Contact: Mrs. J. Weirman, USDA, Room 127, Bldg., 001, BARC-West, Beltsville, MD 20705.

**May 10-12: Life Science Technologies '88.** London, U.K. Contact: Pam Howard, Online International Ltd., Pinner Green House, Ash Hill Drive, Pinner Middlesex, HA5 2AE UK. 01-868 4466.

**May 12-13: National Plant Genetic Resources Board,** Washington, DC. Contact: Dr. C. Murphy, NPGRB Exec. Secy., Bldg 005, BARC-West, Beltsville, MD 20705. (301) 344-1506.

**May 15-18: American Society for Information Science Mid-Year Meeting. Artificial Intelligence: Expert Systems and Other Applications.** Ann Arbor, MI. Contact: Stephen E. Morrison, ASIS, 1424 16th St., N.W., Suite 404, Washington, DC 20036. Tel.: (202) 462-1000.

**May 18-19: European Poultry Fair '88.** Warwickshire, England. Contact: Royal Agricultural Society of England, National Agricultural Centre, Stoneleigh, Kenilworth, Warwickshire, England CV8 2LZ. International Tel: 010 44203 696969.

**June 5-10: The Third Chemical Congress of North America.** Toronto, Ontario, Metro Toronto Convention Centre. Contact: American Chemical Society, 1155 Sixteenth St., N.W., Washington, DC 20036. Tel.: (202) 872-4485.

**June 5-11:ACHEMA 88 -- International Meeting on Chemical Engineering and Biotechnology, 22nd Exhibition-Congress.** Frankfurt am Main, West Germany. Contact: DECHEMA, Conference Department, Postfach 97 01 46, D-6000 Frankfurt am Main 97, West Germany.

**June 8-9: Landscape Industries '88.** Warwickshire, England. Contact: Royal Agricultural Society of England, National Agricultural Centre, Stoneleigh, Kenilworth, Warwickshire, England CV8 2LZ. International Tel: 010 44203 696969.

**June 11-16: Special Libraries Association 79th Annual Conference.** Denver, Co. Contact: SLA, 1700 18th Street, N.W., Washington, DC 20009. Tel.: (202) 234-4700.

**June 12-16: Society of Nematologists Annual Meeting.** Raleigh, NC. Contact: SON, Jay, FL. Tel.: (904) 994-5215. (See DATEBOOK, page 15, col. 1)



## STAFF UPDATE

### ROBERT E. BRAY



photo: D. Starr

ROBERT E. BRAY

Robert Bray is a half-time Technical Information Specialist with NAL's Rural Information Center, which he joined in January 1988. He searches online databases to provide information to local government and extension personnel as part of the RIC program described in last month's *ALIN*. He also participates in collection evaluation and development activities.

Mr. Bray is currently working on his Ph.D in Animal Science at the Univer-

sity of Maryland, where his major area of study is non-ruminant nutrition, including dissertation research in high fiber diets for pregnant sows. He earned his M.S. in Animal Science at the University of Maryland in 1978 with a major in the reproductive physiology of horses, and his B.A. with a major in Biology at Elon College, NC, in 1974.

From 1979-83, Mr. Bray was a Cooperative Extension Agent at Virginia Tech in Blacksburg, and from 1984-86 while a fulltime student, managed the Larkins Hundred Farm in Edgewater, MD. He has held various research and teaching positions and assistantships at the University of Maryland and the University of New Hampshire. He is the author or co-author of a number of publications relating to the digestibility of soybean hulls in pregnant sows, equine fetal development, and horse management.

Among other activities Mr. Bray is active in volunteer work, particularly 4-H animal programs, is experienced with the raising, breeding, showing and training of horses of all major breeds, participates in the management of horse shows, and has been successful in raising funds or writing grants proposals for 4-H programs and organizations.

Mr. Bray resides in Annapolis, MD, with his wife Pamela, and infant daughter, Ashley. His sports and hobby interests include trail and pleasure riding, tennis and racketball, and repairing and refinishing antique furniture.



### JOHN D. KANE

John Kane joined NAL's Rural Information Center (RIC) staff as a half-time Technical Information Specialist on January 3, 1988. For RIC he is primarily performing online searches in response to queries received in the expanding RIC program described in last month's *ALIN*. He is also compiling a bibliography on Rural Medical Services, performing serials reviews for collection evaluation and development purposes, and developing a listing of NAL serial holdings in subjects related to RIC.



photo: D. Starr

JOHN D. KANE

Mr. Kane is working on his Ph.D in Rural Community Development at the University of Maryland and is writing his dissertation on rural medical services. He is also a Research Assistant to a project evaluating the Federal Extension Service. He earned his M.S. at the University of Maryland in 1978 with a major in Animal Nutrition and a minor in Physiology. A 1969 graduate of the United States Naval Academy, he holds a B.S. degree with a major in Engineering Science and a minor in Foreign Affairs.

After graduation from the Naval Academy, Mr. Kane served as Gunnery Officer on the destroyer USS Henderson off the coast of Vietnam. This was followed with tours in 1971-72 as Political Warfare Advisor in the Naval Advisory Group, Vietnam, and 1972-74 as Assistant Director for Drug Information at the Navy Human Resources Development Office, Washington, DC. In the latter position he developed a Navy-wide program concerning the health hazards of cigarette smoking and assistance for those who wished to stop.

Since the summer of 1975 he has held a series of positions related to animal sciences including assistant herdsman on the University of Maryland Swine Research Farm (1975); farm manager of a 50-cow herd of purebred Angus and 10 horses at Discovery Farm, Poolesville, MD (1976-79); herd manager of a 60-cow Angus herd at Elk Hill Farm, Forest, VA (1979-81); Angus Herdsman on the 44,000-acre Open Grounds Farm, Beaufort, NC (1981-82) with 1,400 Angus cows and 1,300 Santa Gertrudis cows; and Manager of the University of Maryland Beef and Sheep Research Farm (1982-87), which included responsibility for livestock and farming operations and implementation and direction of research projects. Concurrently with these positions he has taught courses, published several papers or articles, and participated in programs related to animal sciences, beginning



while in Naval service and since then.

In his free time -- "before dissertation" -- Mr. Kane enjoys steer roping and reading both fiction and non-fiction. His wife, Martha, who holds an M.S. in environmental management, is an editor for Greenburg Press in Sykesville, MD. The Kanes have three sons, Matthew (8), David (5), and Edward (2), and live in Sykesville.



## JANE GATES



photo: D. Starr

JANE GATES

Helen Crocker Russell Library of Horticulture at Strybing Arboretum and Botanical Gardens for eleven years. Among her interests, besides the literature and art of horticulture and related subjects, are uses of microcomputers in libraries, and organic or sustainable agriculture. She retains an interest in the family farm in Southern Illinois where she was born.



## MARGO KINCAID

Margo Kincaid joined the NAL staff at the end of March as a computer programmer in the Library Automation Branch of the Information Systems Division. She has been working on the generation of *Quick Bibliographies* from searches performed in Public Services Division, and writing to tape the weekly updates to the AGRICOLA database for Technical Services.

Before coming to NAL Ms. Kincaid worked for 16 years as a secretary in the Agricultural Research Service (ARS), most recently with the Deputy Administrator for National Program Staff. For the last four years she has been taking computer courses at Prince Georges Community College and is working toward an AA in Business Computer Programming.

Her husband, David Kincaid, is Director of International Activities, ARS, Beltsville. Her son, Jan, is a freshman at the University of Cincinnati. In addition to walking 4-7 miles each day, Ms. Kincaid's other special interests include furniture refinishing, cross-country skiing, vegetable gardening, and surf fishing at Nags Head.



photo: D. Starr

MARGO KINCAID

## MARY SILVA

Mary Silva has been Secretary to NAL Director Joseph Howard since 1986. She was Secretary to NAL's Education and Information Staff, 1980-86, after previous work in USDA's SEA Personnel Office, and the 8th U.S. Army/United Nations Command in Seoul, Korea.

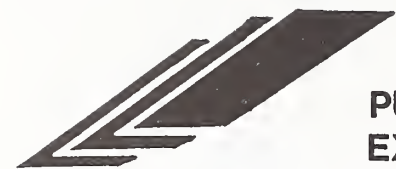
In addition to her secretarial duties, Ms. Silva is active in a number of NAL's special programs: she heads the NAL Volunteer Program, just starting up; is compiling a record of gifts and donations received by NAL; is assembling a kit of information relating to NAL's new technology applications; manages an informal training program for NAL secretaries; serves as a volunteer tour guide for NAL; and frequently serves as hostess for receptions. Ms. Silva is Secretary of the Associates of NAL, and a member of the Board of Trustees.

A native of California, Ms. Silva grew up on a dairy farm in the San Joaquin Valley. She is the mother of a 4-year old son, Brian, and is married to John Silva, who is operations manager of a modular office furniture installation company, and is retired from the U.S. Navy. Ms. Silva has a black belt in taekwon do, and walks several miles every day. She is active in church and community activities in Prince Georges County, MD.



photo: J. Swab

MARY SILVA



## PUBLICATIONS EXCHANGE

### SERIAL GAPS

The National Agricultural Library identifies gaps in the national collection through collection maintenance activities and patron requests. We appreciate your donation of the following publications needed to complete collections. If you have questions, call Ruth Finnblade, Gift and Exchange Program, (301) 344-1207.

Send items to:

National Agricultural Library  
Gift and Exchange Program, Room 002G (RF)  
Beltsville, MD 20705.

*Additions to the National Wilderness Preservation System.* Hearing before the Subcommittee on Public Lands and National Parks of the Committee on Interior and Insular Affairs, House of Representatives. 97th Congress, 2nd Session, Serial No. 97-9, pts 11-13.

*Archives of Biochemistry & Biophysics.* Vols. 238-239, years unknown.

*Immunobiology.* Vol. 169 (5), 1985.

*Index of Plant Diseases in the United States.* Crops Research Division, Agricultural Research Service, USDA. August, 1960.

*Interciencia.* Vol. 1, (5-6), 1976; Vol. 3 (1), 1978.

*Journal of Antibiotics.* Vol. 36 (1-10, 12), 1983.

*Journal of Electron Microscopy Technique.* Vol. 1 (3), 1984.

*No-till Farmer.* Vol. 3 (6), 1973; Vol. 7 (4-7, 9-12), 1976; Vol. 8 (1-5), 1978; Vol. 10 (12), 1981; Vol. 12 (8), 1984; Vol. 13 (2-12), 1984; Vol. 14 (9), 1985.

### SURPLUS PUBLICATIONS

The National Agricultural Library will make available the following surplus publications to any interested organization that regularly sends free publications to NAL, including most Federal, land-grant, and agricultural research institutions as well as many others. Foreign institutions will need to provide a U.S. mailing address or make other special arrangements with U.S. sources for shipment of material. Listed titles may be requested up to six months following announcement.

If interested, please enclose an addressed label with your request and write to:

National Agricultural Library, USDA  
Attn: Gift and Exchange, Room 002 (RF)  
Beltsville, MD 20705

Or call Ruth Finnblade, (301) 344-1207.

*American Economic Review.* Vol. 44-47, 1954-58.

*American Forests.* Vol. 81 (10), 1975.

*American Journal of Botany.* Vol. 6-62, 1921-79.

*Annals of Botany.* Vol. 30-44, 1966-79.

*Australian Journal of Biological Sciences.* Vol. 13-28, 1960-75.

*Botanical Review.* Vol. 40-41, 1974-75.

*Family Economic Review.* Nos. 3-4, 1986; 1-2, 1987.

*Journal of Economic Entomology.* Vol. 37-62, 64, 1944-71.

*Journal of Experimental Botany.* Vol. 14-30, 1963-79.

*Plant Breeding Abstracts.* Vol. 8-41, 1938-79.

"Wood Handbook: Wood as an Engineering Material."  
(*Agriculture Handbook*, No. 72, 1974).

### SURPLUS PUBLICATIONS IN RUSSIAN

*Actual Farming Problems.* Moskva, 1984.

*Barley and Data in Siberia.* Moskva, 1984.

*The Biological Cycle of Nutrition Elements of Farm Crops Under Intensive Farming.* Kishinev, 1985.

*Biometric Methods of Plant Selection.* Moskva, 1985.

*Combating Losses During the Harvesting of Grain.* Moskva, 1981.

*Fire Prevention and Suppression in Forests and Peatbosa.* Moskva, 1986.

*Intensive Development of the Agro-industrial Complex.* Moskva, 1987.

*Mineral Substances in Livestock Feeds.* Leningrad, 1985.

*Nature of Rust in Potatoes.* Moskva, 1960.

*Redbook of the USSR.* Moskva, 1984/85.

*Stimulating the Reduction of the Costs of Agricultural Production.* Moskva, 1985.



## SURPLUS BOOKS FROM APHIS

The following is a list of surplus books which are available from the Animal and Plant Health Inspection Service (APHIS) in Hyattsville, Maryland. Multiple copies are available.

If interested, please direct requests to:

**Paulette Gould**

**Animal and Plant Health Inspection Service**

**G-100 Federal Building**

**Hyattsville, Maryland 20782**

Or call: (301) 436-8413.

*History of Animal Plagues of North America.* By Bert W. Bierer. August 1974.

*Hog Cholera and Its Eradication: A Review of U.S. Experience.* APHIS publication 91-55, September 1981.

*The Origin and Spread of Venezuelan Equine Encephalomyelitis.* APHIS publication 91-10, May 1973.

*Potential Economic Impact of Foot-and-Mouth Disease in the United States.* By E. Hunt McCauley, John C. New, Jr., Nasser A. Aulahi, etc. Publication TB-1597, May 1979.



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### (DATEBOOK, from page 11)

**June 13-August 19: Gordon Research Conference, NH and June 20-August 26, RI.** Contact: Dr. Alexander M. Cruickshank, Director, Gordon Research Conferences, Gordon Research Center, University of Rhode Island, Kingston, RI 02881-0801. (401) 783-4011 or 783-3372.

**June 15-16: Cereals '88.** Warwickshire, England. Contact: Royal Agricultural Society of England, National Agricultural Centre, Stoneleigh, Kenilworth, Warwickshire, England CV8 2LZ. International Tel: 010 44203 696969.

**June 18-24: Solar '88. Annual Solar Technologies Conference and 13th National Passive Solar Conference.** MIT, Cambridge, MA. Contact: Solar '88, P.O. Box 541, Brattleboro, Vermont 05301. Tel: (802) 254-2386.

**June 19-23: American Seed Trade Association Convention,** Seattle, WA. Contact: American Seed Trade Association, 1030 15th Street, N.W., Washington, DC 20005-1593. (202) 223-4080.

**June 19-23: North American Alfalfa Improvement Conference,** Beltsville, MD. Contact: Don Viands, Program Chairman, Dept. of Plant Breeding and Biometry, Cornell University, 523 Bradfield Hall, Ithaca, NY 14853-1902. (607) 255-4130.

**June 20-23: American Home Economics Association.** Baltimore, MD. Contact: AHEA, 2010 Massachusetts

Avenue, N.W., Washington, DC 20036. Tel.: (202) 862-8300.

**June 22-24: Joint Meeting of the Regional Technical Committees on Germplasm,** Fort Collins, CO. Contact: Steven Kresovich, Coordinator, USDA-ARS Germplasm Resources Unit, Geneva, NY 14456.

**June 22-25: Conference on Laboratory Animals.** Vista International Hotel, Washington, DC. Contact: Lee Krulisch, Scientists' Center for Animal Welfare, 4805 Elmo Avenue, Bethesda, MD 20814-4805. Tel.: (301) 654-6390.

**July 4-7: Royal International Agricultural Show.** Warwickshire, England. Contact: Royal Agricultural Society of England, National Agricultural Centre, Stoneleigh, Kenilworth, Warwickshire, England CV8 2LZ. International Tel: 010 44203 696969.

**July 9-14: American Library Association Annual Meeting.** New Orleans, LA. Contact: ALA, 50 E. Huron Street, Chicago, IL 60611. Tel.: (312) 944-6780.

**July 10-13: Agricultural Communicator's Congress.** Washington, DC, J.W. Marriott Hotel. Contact: Paul Weller (202) 745-1994.

**July 13-15: Agricultural Communicators in Education (ACE) Annual Conference.** Washington, DC, J.W. Marriott Hotel. Contact: Karen Stuck, USDA. Tel.: (202) 447-9113. OR Russ Forte, Tel.: (202) 447-5505.

**July 16-19: American Association of Nurserymen Annual Meeting.** Anaheim, CA. Contact: Gordon Dunlop, AAN, Washington, DC. Tel.: (202) 789-2900.

**July 17-20: Third National Herb Growing and Marketing Conference.** Louisville, KY, Hyatt-Regency Hotel. Contact: Dr. James Simon, Dept. of Horticulture, Purdue University, West Lafayette, IN 47907.

**July 18-22: American Veterinary Medical Association Annual Meeting.** Portland, OR. Contact: AVMA, Schaumburg, IL. Tel.: (312) 885-8070.

**July 24-29: XVI World Congress of the International Federation for Home Economics.** University of Minnesota, Minneapolis Campus. Contact: IFHE Congress Secretariat, EDS, Extension Special Programs, 433 Coffey Hall, University of Minnesota, 1420 Eckes Avenue, St. Paul, MN 55108. Tel: (800) 367-5363.

**July 27: Sheep '88.** Malvern, Nr. Worcester, England. Contact: Royal Agricultural Society of England, National Agricultural Centre, Stoneleigh, Kenilworth, Warwickshire, England CV8 2LZ. International Tel: 010 44203 696969.

**July 31-August 3: American Agricultural Economics Association.** Knoxville, TN. Contact: Raymond R. Beneke, Dept. of Economics, 180 Heady Hall, Iowa State University, Ames, IA 50011. Tel.: (515) 294-8700.



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## 1987 ARS SCIENTISTS OF THE YEAR



photo: J. Swab

The NAL lobby is the site of this photo of the 1987 ARS Scientist of the Year Awards exhibit. The scientists are: Edward B. Bagley, Chemist, Peoria, IL, for Outstanding Research in Quality Control, Processing, and New Uses of Feed and Food Crops; Marvin J. Grubman, Virologist, Greenport, Long Island, NY, for Outstanding Research Leadership and Contributions in the study of Molecular Properties of Animal Viruses; Thomas J. Sexton, Animal Physiologist, Beltsville, MD, for Innovative Leadership and Creative Research on Turkey Reproduction That Is Revolutionizing the Turkey Breeding Industry; and Richard F. Wilson, Plant Pathologist, Raleigh, NC, for Distinguished Leadership and Pioneering Research on the Biological Regulation of Lipid Synthesis to Improve the Quality of Soybean Oil.

### AGRICULTURAL LIBRARIES INFORMATION NOTES

(ISSN 0095-2699)

provides a channel of communication to technical information specialists, librarians, extension workers, researchers, and scientists on agricultural information activities.

Joseph N. Swab, Editor.

Ruth Finnblade, Publications Exchange Editor.

Daniel Starr, Photographer.

[(301)-344-3937]

## CORRECTION

An incomplete caption was printed for the photograph at the left in the March 1988 ALIN; therefore, we have reprinted the photograph with the proper caption. We regret not having caught the omission till it was too late to stop the press.